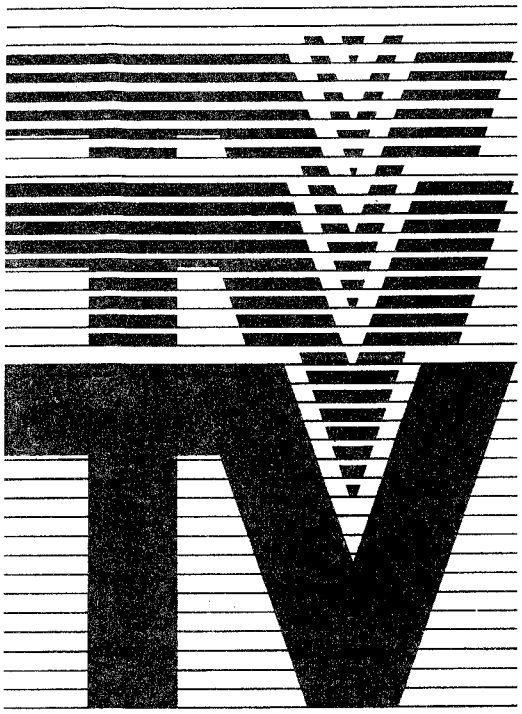


TOSHIBA

Colour TV
2500TS

Welcome to the bright new world of Toshiba colour. Your new precision built colour television has been designed and engineered by one of the world's largest manufacturer's of I.C.'s, transistors and diodes to give you an extremely reliable and natural performance.
Please read this manual and retain for future reference.

INSTALLATION

For Your Safety

This receiver must only be connected to a mains supply of 220v 50 Hz.

Where to Position Your Receiver

Choose a position where direct light from a lamp or window does not fall on the screen. Wherever possible out of the reach of young children.
Make sure that there is adequate air circulation through the vents on the rear cover of the receiver. Do not place the receiver close to curtains or in an enclosed shelf space.

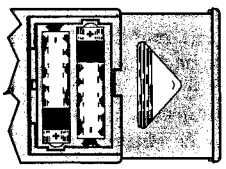
Choosing an Aerial

Optimum reception of colour and text requires a good signal and will generally mean that a loft or outdoor aerial must be used. The exact type and siting will depend upon your particular area and your local aerial installers will be best to advise. Where signals permit, a set top aerial may be used by plugging into the aerial socket and rotating to obtain the best picture.

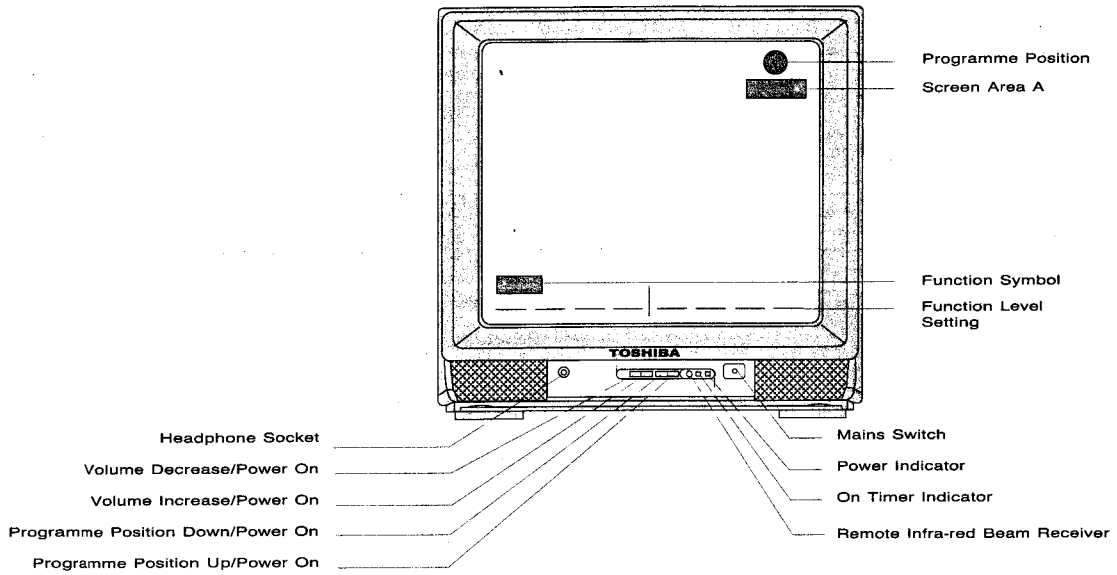
The Remote Control

Carefully slide back cover and insert 2 batteries, taking care to observe correct polarities.

Suitable battery types are: R6 or AA or SUM-3.



ADJUSTING YOUR SET



Tuning In

1. Connect your aerial to the socket at the rear of the set and insert the mains plug into a mains socket.

2. Press the mains switch button ⏻ and a red light will glow. If a picture does not appear after several seconds, press the ⏻ button or numbered buttons on the remote control.

3a. **To Tune in all Channels Automatically**

i. Press P ▼▲ buttons on TV set until programme position 1 is selected, or 0 - 39 ▼▲ buttons on the remote control.

ii. Press the ☐☐ button repeatedly on the remote control unit the letters ASM appear in screen area A. Then while this display is present, press the adjacent + button. The set will now search through the complete frequency range in ascending order, beginning with the VHF channels through to the UHF channels.

3b. **To Tune into any desired programme position**

i. Press P ▼▲ buttons on TV set to select required programme position, or 0 - 39 ▼▲ buttons on the remote control unit.

ii. Press the ☐☐ button on the hand held unit repeatedly until the symbol ››› appears in screen area A and while this symbol is present, press either adjacent + button (for VHF search) or - button (for UHF search). The set will begin to search and will stop at the first signal encountered. If this is not a wanted signal, while the symbol ››› is present press adjacent + or - buttons. If the symbol is seen to slowly pulse, the search has reached a band end and may be restarted by pressing adjacent + or - buttons.

iii. Repeat sections 3b i, and ii, until all channels are memorised.

iv. Fine tuning may be achieved by repeatedly pressing the ☐☐ button on the hand held unit until the ▮▮▮ symbol appears in screen area A, and whilst this display is present, press adjacent + or - buttons to optimise the picture.

Sound and Picture Controls

To adjust colour ◔ , contrast ◑ , and brightness ☼ .

1. Press button ☼ ◑ ◔ on the hand held unit repeatedly until the appropriate function symbol appears on the screen.
2. Adjust level by means of adjacent + or - buttons.

To adjust Volume ◿

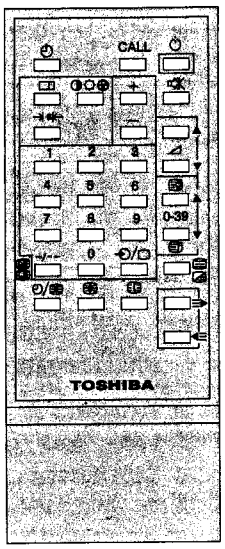
Press ◿ ▼▲ buttons on the front of the receiver or on the hand held unit to select required level. Function and level setting will be displayed.

If when viewing transmissions, loss of sound is experienced with the volume level settings at a suitable level the correct sound select position (S1 or S2) needs to be selected in the following manner:- Press the ☐☐ button repeatedly until the letters ASM appear in screen area A. Then while this on screen display is present press adjacent — button repeatedly to select either S1 or S2 position.

Note: This set has an automatic "No signal switch-off" facility, and will switch itself off, if the following procedure is applied:

Press the four buttons P ▼▲ and ◿ ▼▲ on the front of the receiver simultaneously, the word ON or OFF will be displayed on screen. If the word OFF is displayed, then this facility will not operate, however if ON is displayed, then the set will turn itself off approximately 15 minutes after the transmitter closes down. Selection between the word ON and OFF is possible by repeatedly pressing the four P ▼▲ and ◿ ▼▲ buttons on the front of the set.

REMOTE CONTROL OPERATION FOR NORMAL PICTURE



Using the Controls

Operate the control by pointing it toward the infra-red receiver on the set, using the buttons as follows:—

⏻ (Standby on/off)
Use standby to turn the set off for short periods of time.

⊖/▭ (TV/Video 1, 2, 2S mode selection)
Button selects operational mode, see page 5 for further details.

—/——, 0-9 (Programme Selection)
To select programme 8 press —/—— repeatedly until — appears in screen area A then press button 8. To select programme 38, press —/—— repeatedly until two —— appear in screen area A, then press 3 followed by 8.

0 - 39 (Programme Selection)
Hold ▲ or ▼ buttons to sequentially raise or lower the programme position. Programme number is briefly displayed.

◿ ▼▲ (Volume adjustment)
Hold ▲ or ▼ buttons to raise or lower volume. Function and setting is briefly displayed.

◑ ☼ ◒ and +/- (contrast, brilliance, colour adjustment)
Press the button ◑ ☼ ◒ repeatedly until the required function appears on the screen and press and hold the adjacent + or - buttons to raise or lower the setting. Function and setting is briefly displayed.

🔇 (Sound mute)
Press 🔇 once to mute sound and again to return sound.

Call
Press to retain channel display, and again to cancel channel display.

→|s|← (Selectable picture)
Operation of this button selects 3 levels of preset picture contrast adjustment to suit individual taste, levels selected are indicated by the numbers →|1|←, →|2|← or →|3|← in the function setting display.

🕘 (On/off timer)
Press 🕘, button and the following will be displayed on screen:—

OFF 00 : 00

If the set is required to revert to the standby mode after a given period of time for example 20 minutes, press the buttons 00 20 on the hand held unit your selected time will appear on the screen, and the set will switch to the standby condition after this period has expired.

Return the set to the on position by pressing ⏻ button on the hand held unit, if the 🕘 button is pressed twice, then the following will be displayed on screen:—

POO ON 00 : 00

If required, the set can now be programmed to switch itself on after a given period of time on a certain programme position. For example if the set is required to be on in 20 minutes time on programme position 2 then press the following buttons on the hand held unit:— 02 (for programme position 2), then 00 20 (for 20 minutes).
N.B. The set must be left in the standby mode after programming on time. A yellow 🕘 light on the front of the receiver will illuminate when an on time has been programmed and will remain on while the set is in the standby mode.

🕘▤ Time/TXCL (time display)
Press to obtain extremely accurate time display. Display lasts for several seconds.

VIEWING TEXT

Text functions are selected by use of the Remote Control. Several buttons are dual function.

Basic operation

To Display a Page of Text
1. Select a TV station for the required text service.
2. Press .
3. Enter the required 3 digit page number using the numbered buttons. If an error is made, complete the 3 digit sequence and start again.

To return to TV mode press /.

To receive a text service from a different TV station
1. Press / once to return to TV mode.
2. Select the new TV station.
3. Press .

To display the index page
Press and the index pages will be displayed.

To superimpose text on a TV picture
Press repeatedly to superimpose then clear.

To enlarge text display
Press repeatedly to enlarge the top and bottom halves of the text and to revert to normal.

To hold a wanted page
When a page is divided into sub pages and it is required to hold a sub-page press . Press again to release. A held page is indicated by the word HALT in the top left hand side of the screen.

To adjust Brilliance and Contrast
Press repeatedly until the appropriate function symbol appears on screen, and then press the adjacent + or - buttons to adjust while the on screen display is present.

To view next or preceding pages
Press + or .

To Reveal concealed text
Press .

To use the alarm
To call off the alarm caption at a pre-determined time whilst viewing a normal picture, select a TV station and press . Select the appropriate alarm caption page and press .

T**** will now appear at the bottom of the screen

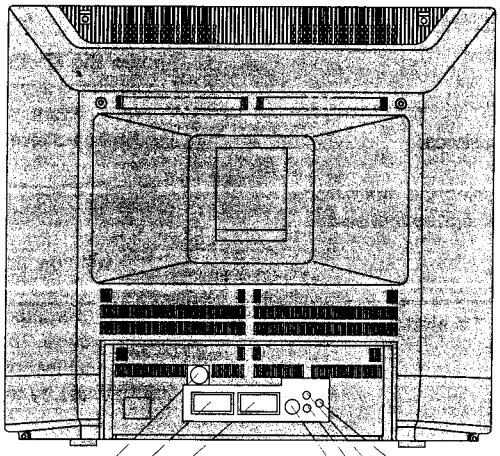
Enter the required time i.e. 0930 and press to return to normal picture. To cancel alarm press whilst in the text mode.
Note: This function will not operate unless an alarm caption page is broadcast by the appropriate TV station.

News Flashes
To receive news flashes whilst watching a normal picture, press and then select the appropriate news flash page.

To cancel a news flash, press .

Note: It is not possible to change channels whilst this mode is selected, to change channels press / and either 0 - 39 ▼▲ buttons on the remote control unit or P ▼▲ buttons on the front of the receiver.

CONNECTING OTHER EQUIPMENT



Socket	Socket Type	Function	Mode Name	Mode Screen Symbol
Aerial	75 ohms standard coaxial	Normal TV reception, but accessory can take priority when connected to 21 Pin socket (1) provided with a 12v switching voltage on pin 8. — RGB function	TV	Programme numbers
Audio/Video in 1	21 Pin Socket	Direct Audio/Visual input/output — RGB function	Video 1	→1
Audio/Video in 2	21 Pin Socket	Direct Audio/Visual input.	Video 2	→2
Audio/Video in 2	21 Pin Socket	Direct input from Super VHS	Video 2S	→2S
Super VHS	Special Super VHS	Direct input from Super VHS	Video 2S	→2S
Video in	Phono	Direct video input	Video 2	→2
Audio in	Phono	Audio input from Super VHS source or normal audio input	Video 2	→2
Headphone	3.5mm Jack	Output from headphone	All	

Please Note: It is not possible to input to 21 pin socket (2), phono and Super VHS sockets simultaneously.

SPECIFICATIONS

Television system and channel coverage	B/G Pal Secam VHF: 2-4, 5-12, S1-S20 D/K Pal Secam VHF: 1-12. UHF: 21-69
Picture tube	59cm 90 degree deflection
Sound Output	4.5W R.M.S.
Dimensions	600mm wide, 555.5mm high, 442mm deep
Supplied Accessories	1 x Remote Control, 2 x R6 Batteries
Weight	26.0 Kg
Text	Yes
Power Consumption	104W

A SELF-HELP GUIDE FOR SIMPLE PROBLEM SOLVING

Patches of Colouration
Switch off at the mains for 15 minutes.

No Picture or Sound
Check mains switches are on, press ⏻ and →|s|←. Plug into a known working mains socket. "No signal off" facility has operated.

Poor or no Picture
Try a different TV station, press →|s|←, check your aerial and connections. Adjust fine tuning.

Double Images/Ghosting/Garbled Text
Check your aerial, a more directional type might be needed for your area. Adjust fine tuning.

Good Picture but no Sound
Press ◿ +. Remove earphone plug, press 🔇.
Incorrect sound select position selected.

Blue Screen
Set senses no signal condition, check aerial connection, switch to a transmitting signal.

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT

PLEASE READ THE FOLLOWING POINTS CAREFULLY, THEY ARE OF A GENERAL NATURE, INTENDED TO HELP YOU WITH ALL YOUR ELECTRONIC CONSUMER PRODUCTS, SOME ITEMS MAY NOT APPLY TO THE GOODS YOU HAVE JUST PURCHASED.

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections including the mains plug, extension leads and inter connections between pieces of equipment are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way — switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.

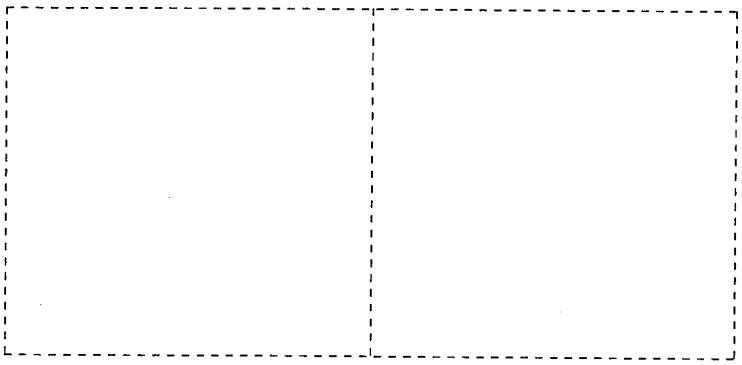
DON'T use makeshift stands and NEVER fix legs with wood screws — to ensure complete safety always fit the manufacturer's approved stand or legs with the fixing provided according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

— NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case - this could result in a fatal electric shock.

— NEVER guess or take chances with electrical equipment of any kind — it is better to be safe than sorry!



PROGRAMME IDENTIFICATION

0		14		28	
1		15		29	
2		16		30	
3		17		31	
4		18		32	
5		19		33	
6		20		34	
7		21		35	
8		22		36	
9		23		37	
10		24		38	
11		25		39	
12		26			
13		27			

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